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**State of Utah**  
**DEPARTMENT OF NATURAL RESOURCES**  
**Division of Oil, Gas & Mining**

MICHAEL R. STYLER  
Executive Director

JOHN R. BAZA  
Division Director

**Inspection Report**

Supervisor 

**Minerals Regulatory Program**

**Date of Report:** May 24, 2007

**Mine Name:** Ziegler Gilsonite  
**Operator Name:** Ziegler Chemical and Mineral

**Permit number:** M0470013  
**Inspection Date:** April 20, 2007  
**Time:** 8:15-9:00 AM

**Inspector(s):** Paul Baker and Daron Haddock  
**Other Participants:** Duane Boren, Ziegler  
**Mine Status:** Active

**Weather:** Mostly clear, 30s

*Elements of Inspection*

	Evaluated	Comment	Enforcement
1. Permits, Revisions, Transfer, Bonds	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Public Safety (shafts, adits, trash, signs, highwalls)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Protection of Drainages / Erosion Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Deleterious Material	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Roads (maintenance, surfacing, dust control, safety)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. Concurrent Reclamation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Backfilling/Grading (trenches, pits, roads, highwalls, shafts, drill holes)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Water Impoundments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Soils	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Revegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Air Quality	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
12. Other	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

**Purpose of Inspection:**

This was a routine inspection.

**Inspection Summary:**

**10. Revegetation**

An area around the Cowboy Mine was roughened and seeded last fall. A copy of the seed label is attached to this report. We found numerous seedlings, especially in the depressions (Photo 6).

**12. Other**

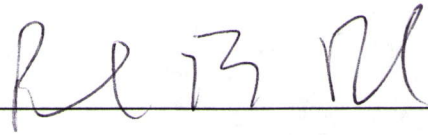
The operator has been trying to find a place with mineable ore near the ore bin and headframe on the Cowboy South Vein (Photo 1). The nearby shafts are shown in Photos 2 through 4. Most of the work has been done by hand.

A building and concrete pad have yet to be removed from the area of the Cowboy Mine. Mr. Boren expressed his desire to remove these structures and complete reclamation.

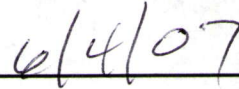
**Conclusions and Recommendations:**

I have no recommendations except that, if possible, the operator should try to complete reclamation of the Cowboy Mine this fall. The Division and the operator need to monitor the vegetation in this area.

Inspector's Signature



Date:



PBB:pb

cc: Duane Boren, Ziegler

Stan Perkes, BLM State Office

Attachments: Photos and Copy of Seed Label

P:\GROUPS\MINERALS\WP\M047-Uintah\M0470013-Ziegler\inspections\ins-04202007.doc



## ATTACHMENT

### Photographs

M0470013, Ziegler Gilsonite Mine, Ziegler Chemical and Mineral

Inspection Dated: April 20, 2007; Report Dated: May 24, 2007



**Photo 1.** This shows the headframe and ore bin on the Cowboy South Vein. The operator is no longer using this shaft but has smaller shafts nearby (Photos 2-4).



**Photo 3.** This and Photo 4 show an area the operator is trying to develop.



**Photo 2.** A small shaft northwest of the area shown in Photo 1. This is on the Cowboy North Vein.

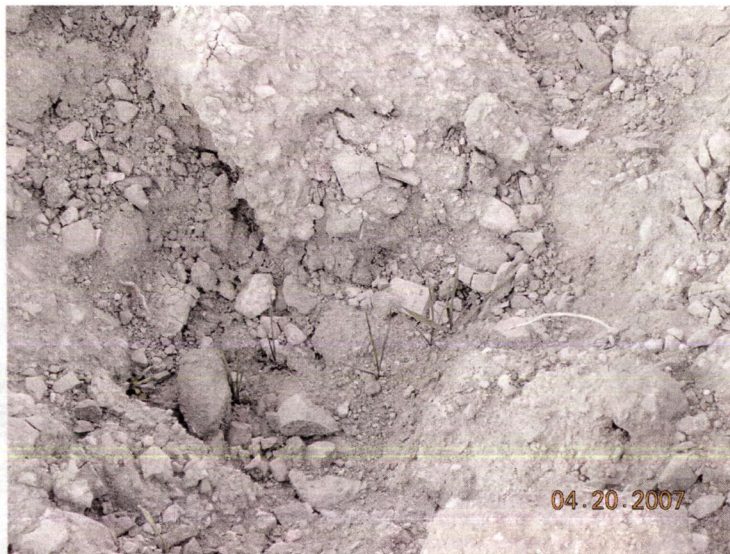


**Photo 4.**





**Photo 5.** The roughened area in the foreground was roughened and seeded last fall. The building and the area around it still need to be reclaimed. This is on the Cowboy Vein northwest of the area in Photos 1-4.



**Photo 6.** We found numerous seedlings, especially in the depressions.



**Photo 7.** This is a small channel the operator built to the east of this site.



MIX #: 58169

ZIEGLER CHEMICAL

*Ziegler  
Hardway  
Cowboy*

172767

% PURE		DORM OR	ORIGIN
		GERM + HARD	
8.55 WESTERN WHEATGRASS	ROSANA	88.00 + 0.00 -	WA
8.01 THICKSPIKE WHEATGRASS	CRITANA	94.00 + 0.00 -	MT
6.84 FOURWING SALTBUH	HIGH ELEV 4X	55.00 + 0.00 - TZ	NM
6.60 SHADSCALE SALTBUH	VNS	57.00 + 0.00 - TZ	UT
6.34 INDIAN RICEGRASS	RIMROCK	89.00 + 0.00 - TZ	-
6.07 RUBBER RABBITBRUSH	VNS	31.00 + 0.00 - TZ	UT
4.28 SMALL BURNET	DELAR	88.00 + 0.00 - TZ	OR
3.80 ALFALFA	LADAK 65	76.00 + 23.00 -	MT
2.27 NEWHY WHEATGRASS	NEWHY	83.00 + 0.00 -	WY
2.09 YELLOW SWEETCLOVER	VNS	82.00 + 8.00 - TZ	CAN
2.00 PROSTRATE SUMMERCYPRESS	VNS	94.00 + 0.00 - TZ	WY
1.94 PALMER PENSTEMON	VNS	97.00 + 0.00 - TZ	UT
0.60 Other Crop			
40.50 Inert Matter			
0.11 Weed Seed			
Date Tested: 05/05/2006			
Restricted Weed: None			
% Hard Seed: 1.04			
NET WEIGHT: 53.14 LBS. BULK			
24.00 LBS. PLS			

SHIP TO: I.F.A. # 79

994 SOUTH 1500 EAST HWY 40  
VERNAL, UT 84078

*Seed mix  
Used Fall 2006*